

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A booster transformer for driving a magnetron, comprising:

a bobbin having a primary winding and a secondary winding wound thereon; and a core inserted into a center of said bobbin,

wherein a winding area of said secondary winding is divided into two areas while interposing a partition wall, and an outer diameter d of a wire of said secondary winding, [[and]] a width t_1 of each of the divided wiring areas and a thickness t_2 of said partition wall are so set as to satisfy the relation $0.8t_2 < t_1 < 11d$.

Claim 2 (Original): A booster transformer for driving a magnetron as defined in claim 1, wherein said secondary winding is wound on said bobbin while a wire material thereof is arranged under an irregular state.

Claim 3 (Canceled)

Claim 4 (Original): A booster transformer for driving a magnetron as defined in claim 1, wherein the wire material of said secondary winding is a solid wire having an insulating coating formed around a core wire or a litz wire formed by merely twisting a plurality of said solid wires.

Claim 5 (Original): A booster transformer for driving a magnetron as defined in claim 1, wherein high-voltage components constituting a voltage doubler rectifier circuit for rectifying a high frequency high voltage from said secondary winding of said booster transformer are held integrally with said bobbin.